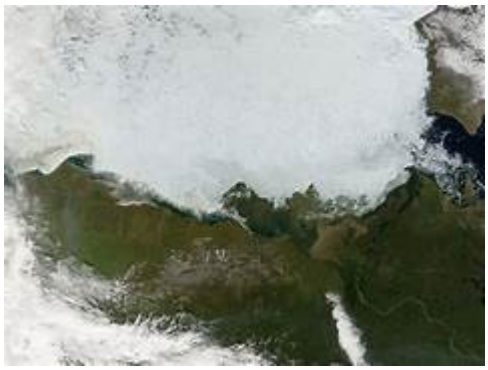
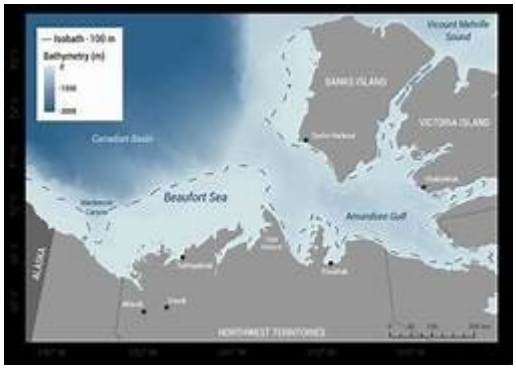
Ryan Padraig Kelly Beaufort Sea



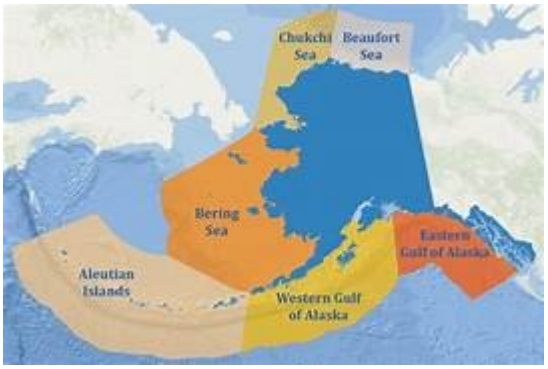
Beaufort Sea
Alaska
Yukon
Northwest Territories
Nunavut

© WorldAtlas.com
Arctic Ocean
Beaufort Sea
Barrow
Prudhoe Bay
Colville River
Mackenzie Bay
Banks Island
Bering Sea
Alaska (U.S.)
Inuvik
Mackenzie River
N.W. Territories
Canada
Yukon Territory
Great Bear Lake

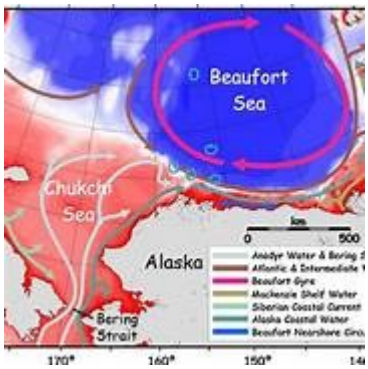
Beaufort Sea
Chukchi Sea
Barrow
Mackenzie River Delta
Bering Sea
Gulf of Alaska
Canada

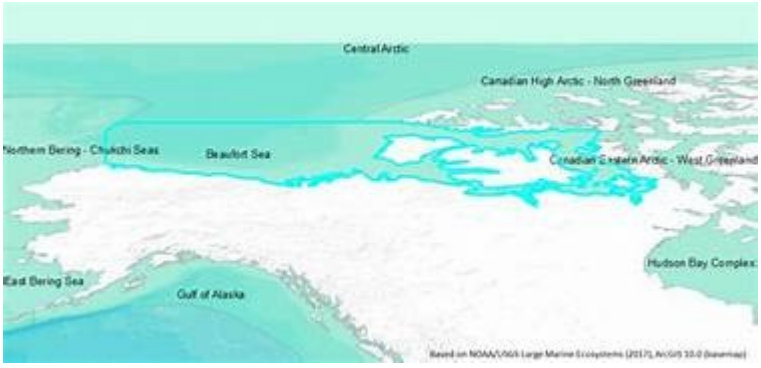

Isobath - 100 m
Bathymetry (m)
Vicount Melville Sound
BANKS ISLAND
VICTORIA ISLAND
Canadian Basin
Beaufort Sea
Amundsen Gulf
Alaska
NORTHWEST TERRITORIES

140°0'0"W
130°0'0"W
120°0'0"W
72°0'0"N
68°0'0"N
64°0'0"N
Beaufort Sea
Banks Island
Sachs Harbour
Alaska
Tuktoyaktuk
Paulatuk
Yukon Territory
Inuvik
Aklavik
Northwest Territories

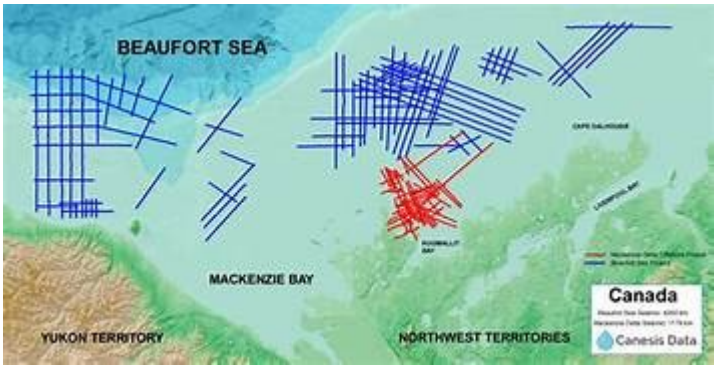

Chukchi Sea
Beaufort Sea
Bering Sea
Eastern Gulf of Alaska
Aleutian Islands
Western Gulf of Alaska

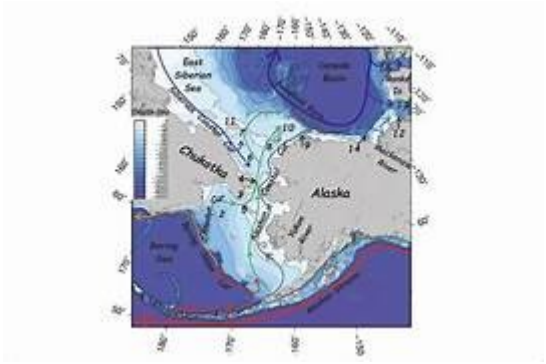
Arctic Ocean
Beaufort Sea
Alaska
Barrow
Smith Bay
Harrison Bay
Jones Island
Prudhoe Bay
Stefansson Sound
Boulder Patch
Maguire Island
Barter Island
Camden Bay
Demarcation Bay
Herschel Island
Colville R.
Kuparuk R.
Sagavanirktok R.
Staines R.
Canning R.
Hulahula R.
Jago R.
Kongakut R.
Firth R.
Aklavik
0
100
200
km

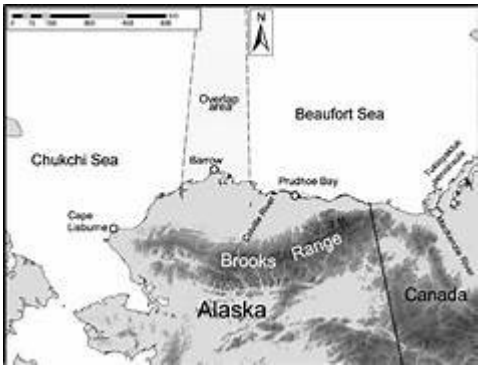

Beaufort Sea
Chukchi Sea
Alaska
Bering Strait
0
500
km

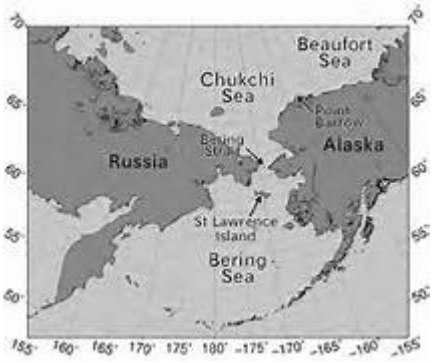

Central Arctic
Canadian High Arctic - North Greenland
Northern Bering - Chukchi Seas
Beaufort Sea
Canadian Eastern Arctic - West Greenland
Hudson Bay Complex
East Bering Sea
Gulf of Alaska

Sachs Harbour
Ulukhaktok
Tuktoyaktuk
Paulatuk
Aklavik
Inuvik

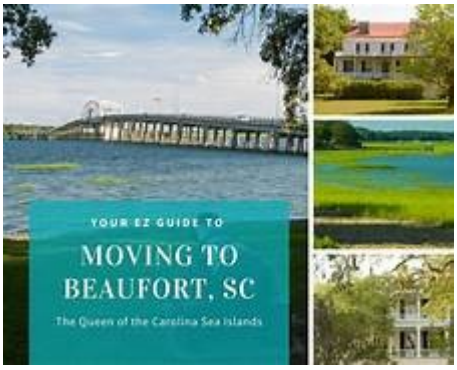

BEAUFORT SEA
MACKENZIE BAY
YUKON TERRITORY
NORTHWEST TERRITORIES
Canada
Canesis Data

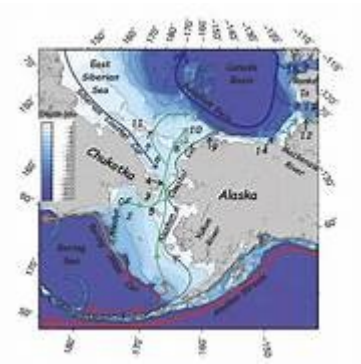

East Siberian Sea
Chukotka
Alaska

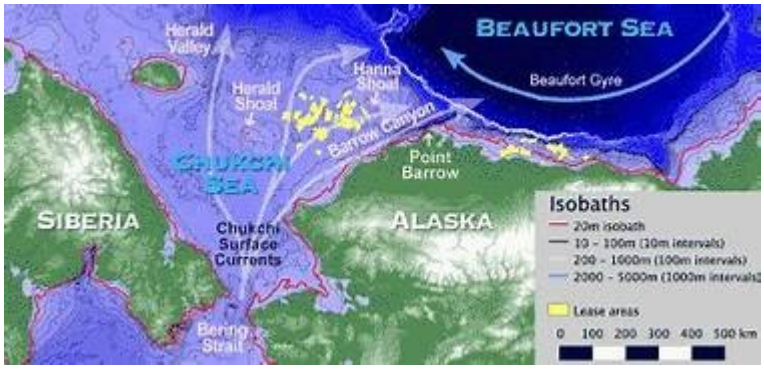

Overlap area
Beaufort Sea
Chukchi Sea
Barrow
Prudhoe Bay
Cape Lisburne
Brooks Range
Alaska
Canada


Beaufort Sea
Chukchi Sea
Point Barrow
Alaska
Russia
St Lawrence Island
Bering Sea

ARCTIC OCEAN
Beaufort Sea
RUSSIA
ALASKA
CANADA
Fairbanks
St. Lawrence
Anchorage
Bering Sea
Gulf of Alaska
Kodiak Island
Aleutian Arc
PACIFIC OCEAN


YOUR EZ GUIDE TO
MOVING TO BEAUFORT, SC
The Queen of the Carolina Sea Islands


East Siberian Sea
Chukotka
Alaska


Herald Valley
Herald Shoal
Hanna Shoal
Barrow Canyon
BEAUFORT SEA
Beaufort Gyre
Point Barrow
CHUKCHI SEA
SIBERIA
ALASKA
Chukchi Surface Currents
Bering Strait
Isobaths
20m isobath
10 - 100m (10m intervals)
200 - 1000m (100m intervals)
2000 - 5000m (1000m intervals)
Lease areas
0 100 200 300 400 500 km

2017–2022 Oil and Gas Leasing
Draft Proposed Program
Alaska Program Areas
Chukchi Sea
Beaufort Sea
Russia
Alaska
Canada
Gulf of Alaska

BEAUFORT
SEA
alamy

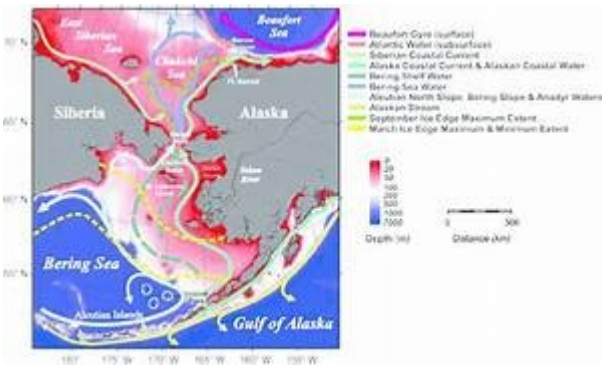
alamy

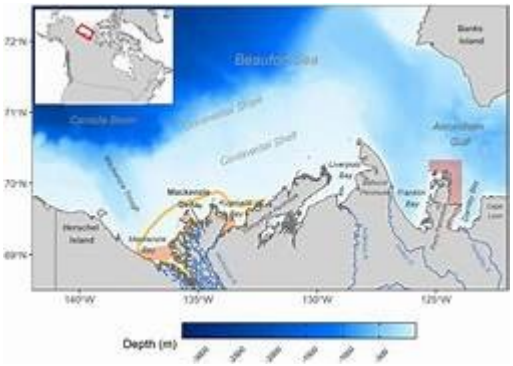
alamy

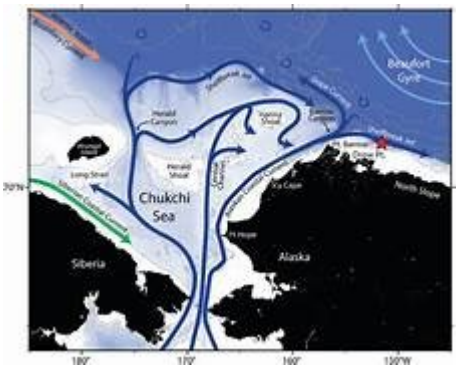
ARCTIC OCEAN
Russia
Chukchi Sea
Beaufort Sea
US
CANADA
Yukon
Bering Sea
Gulf of Alaska
Aleutian Islands
PACIFIC OCEAN

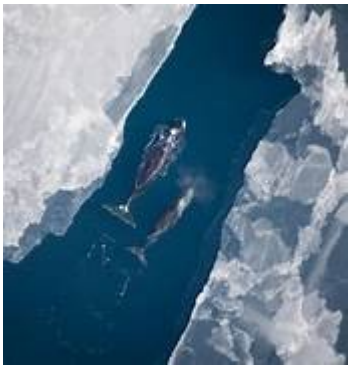
Pacific
water
Beaufort
Gyre
Atlantic
water

Canadian Beaufort Sea
Integrated Fisheries
Management Framework
Arctic Ocean
Beaufort Sea
Alaska
Canada


East Siberian Sea
Beaufort Sea
Chukchi Sea
Siberia
Alaska
Bering Sea
Aleutian Islands
Gulf of Alaska
Beaufort Gyre (surface)
Atlantic Water (subsurface)
Siberian Coastal Current
Alaska Coastal Current & Alaskan Coastal Water
Bering Shelf Water
Bering Sea Water
Aleutian North Slope, Bering Slope & Anadyr Waters
Alaskan Stream
September Ice Edge Maximum Extent
March Ice Edge Maximum & Minimum Extent
Depth (m)
Distance (km)

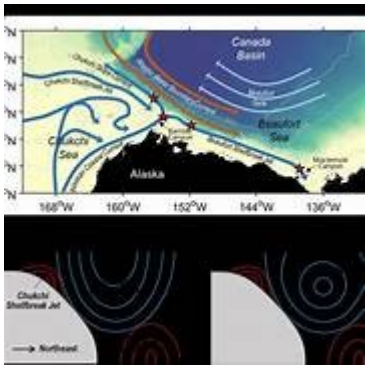

Beaufort Sea
Banks Island
Mackenzie Delta
Kugmallit Bay
Mackenzie Bay
Amundsen Gulf
Franklin Bay
Cape Bathurst
Cape Lyon
Herschel Island
72°N
71°N
70°N
69°N
140°W
135°W
130°W
125°W
Depth (m)

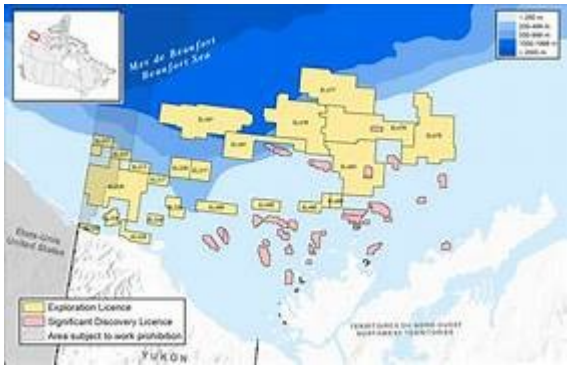

Beaufort Gyre
Herald Canyon
Herald Shoal
Long Strait
Chukchi Sea
Siberia
Alaska
Ice Cape
Point Lay
Wainwright
Barrow
Barrow Canyon
Beaufort Sea
Alaskan Coastal Current
180°
170°
160°
150°W



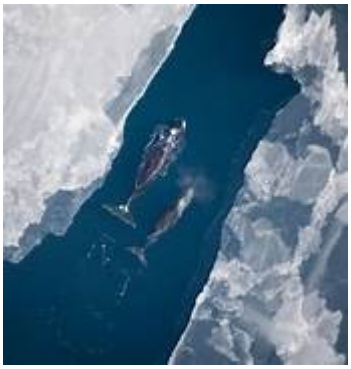
Chukchi Sea
Northwind Ridge
Beaufort Sea
Barrow Canyon
Herald Canyon
Herald Shoal
Chukchi Sea
Ice Cape
Point Lay
Pt. Barrow
Wainwright
Cape Lisburne
SIBERIA
ALASKA
Bering Strait
Bathymetry legend
50-100 m
200-4000 m

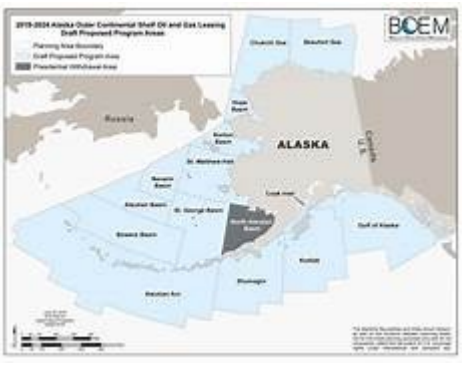
Banks Island
Mackenzie Delta
400 Km

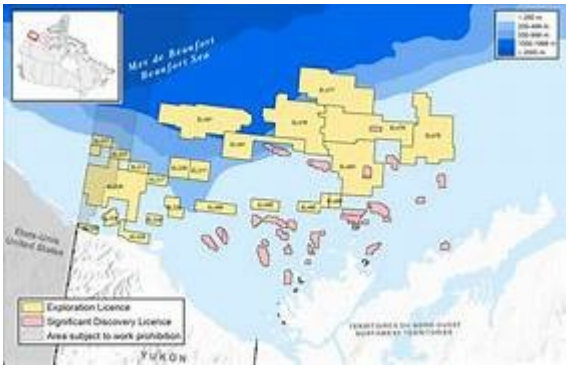

Canada Basin
Beaufort Sea
Chukchi Sea
Alaska
168°W
160°W
152°W
144°W
136°W
Chukchi Shelfbreak Jet
Northward

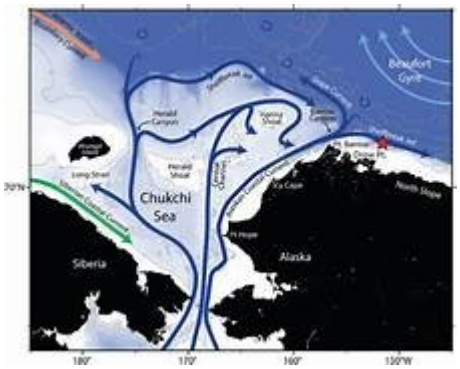

Mer de Beaufort
Beaufort Sea
Exploration Licence
Significant Discovery Licence
Area subject to work prohibition
YUKON

Chukchi Sea
Beaufort Sea
Alaska



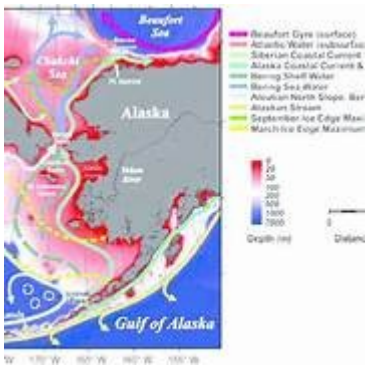

BOEM
ALASKA
Russia
Canada

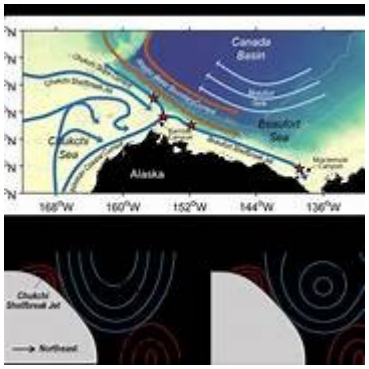




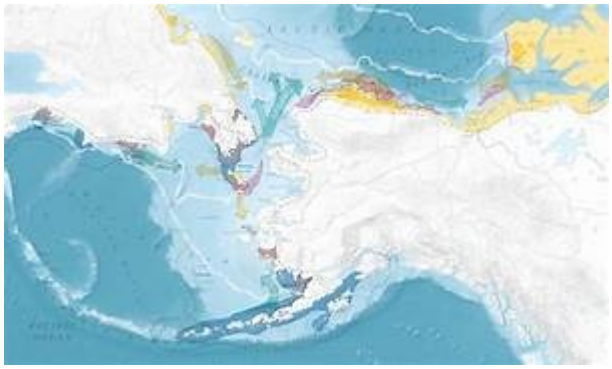
BEAUFORT FORCE 7
WIND SPEED: 28-33 KNOTS

BEAUFORT FORCE 10
WIND SPEED: 48-55 KNOTS


Beaufort Sea
Chukchi Sea
Alaska
Gulf of Alaska


Canada Basin
Beaufort Sea
Chukchi Sea
Alaska
168°W
160°W
152°W
144°W
136°W
Chukchi Shelfbreak Jet
Northward

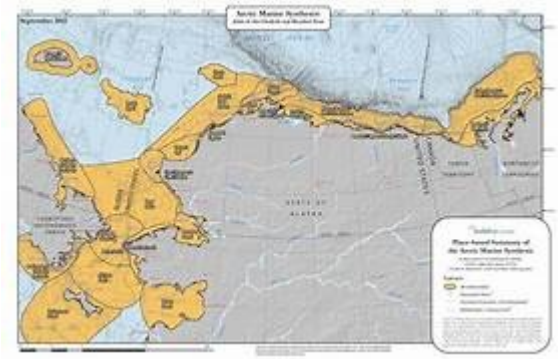
Beaufort Sea
Chukchi Sea
SIBERIA
ALASKA

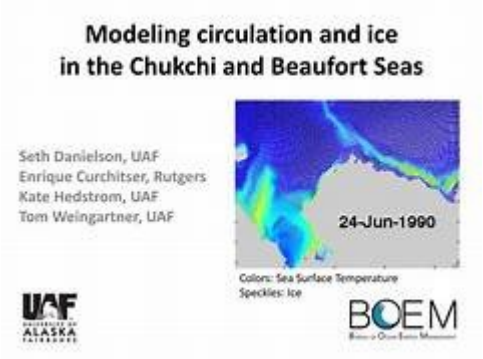


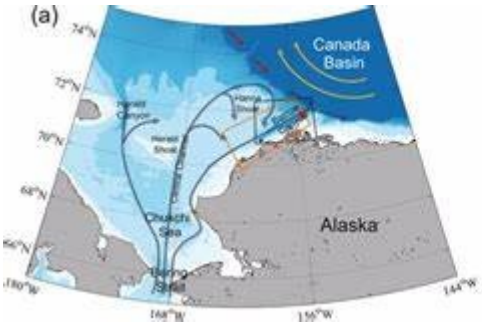
RUSSIA
CANADA
Bering Sea
Gulf of Alaska
LEGEND

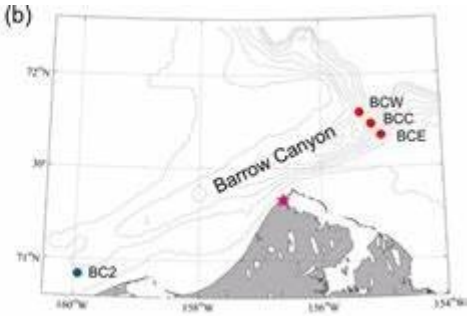
East Siberian Sea
Beaufort Sea
Chukchi Sea
SIBERIA
ALASKA
Bering Sea

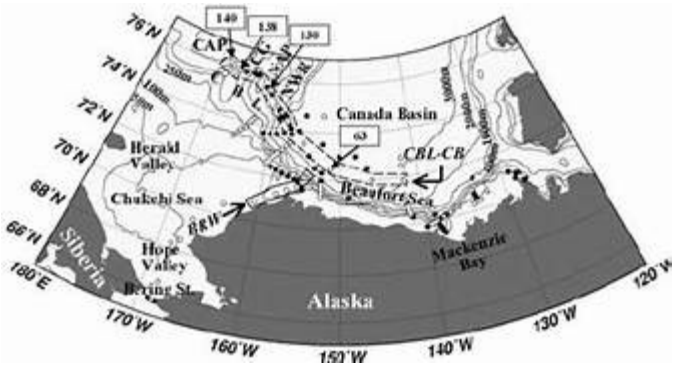
Beaufort Sea: U.S. and Canadian claims
ALASKA
NORTHWEST TERRITORIES
YUKON

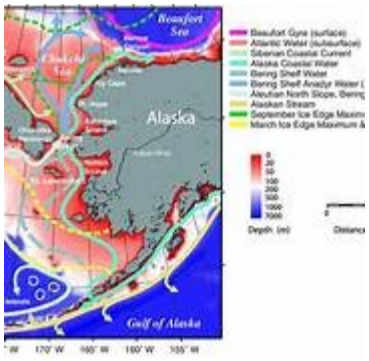


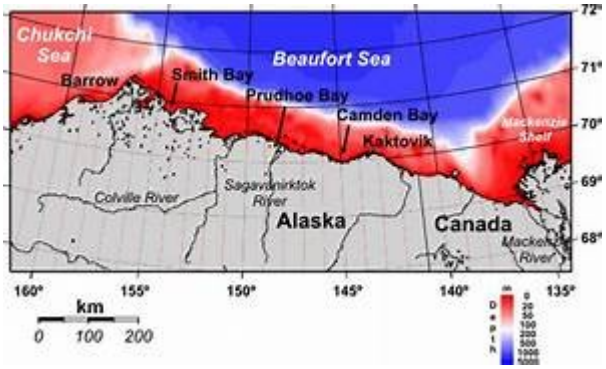

Modeling circulation and ice
in the Chukchi and Beaufort Seas
Seth Danielson, UAF
Enrique Curchitser, Rutgers
Kate Hedstrom, UAF
Tom Weingartner, UAF
24-Jun-1990
Colors: Sea Surface Temperature
Speckles: Ice
UAF
BOEM

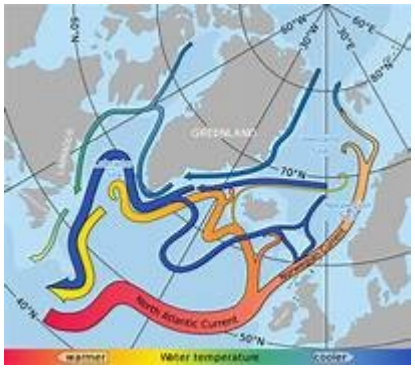

(a)
Canada
Basin
Alaska
Chukchi
Sea


(b)
BCW
BCC
BCE
Barrow Canyon
BC2

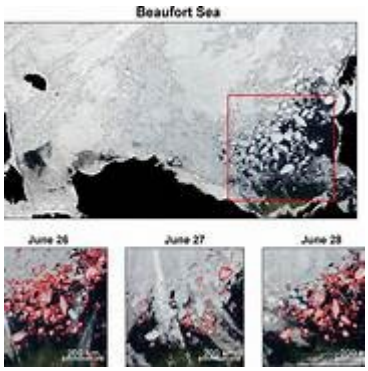

CAP
Canada Basin
CBL-CB
Herald
Valley
Chukchi Sea
Beaufort Sea
Hope
Valley
Bering St.
Siberia
Alaska
Mackenzie
Bay

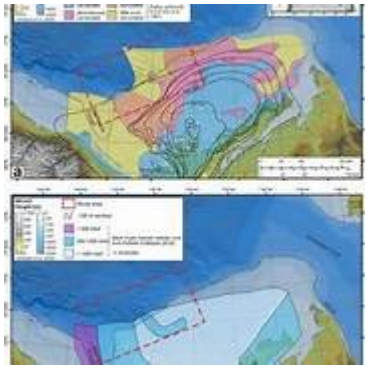

Beaufort Sea
Alaska
Gulf of Alaska

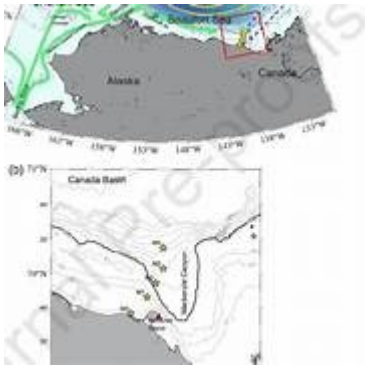

Chukchi
Sea
Beaufort Sea
Barrow
Smith Bay
Prudhoe Bay
Camden Bay
Kaktovik
Mackenzie
Shelf
Colville River
Sagavanirktok
River
Alaska
Canada
Mackenzie
River
km
0 100 200


GREENLAND
North Atlantic Current
warmer
Water temperature
cooler

ARCTIC OCEAN
Beaufort Sea
Alaska
BOEM
U.S.A.
CANADA


Beaufort Sea
June 26
June 27
June 28




Alaska
Canada
Canada Basin